	s Chromatography (GC) Data Auditing Cheveyor:	ck She	et	
Method: Laboratory:				Rev. 2, 8/05
Har	d Copy Data Review	Yes	No	Comments
Pro	ficiency Samples:			
1.	Analysis date:			
2.	PE successful?			
Cali	bration:			
1.	Standard Information			
	-Analysis date:			
	-Analyst:			
	-Instrument ID:			
	-Software type:			
	-File names:			
2.	Quantitation Report and Chromatogram Review			
	-Does the lab have adequate hard copy data?			
	-Are all standards run the same day/batch? (Check Acquired Times)			
	-Is the method update time the same for each?			
	-Is the chromatogram info the same as the quant. reports (i.e. same file names, acquisition times, method update times, <u>print time</u>)?			
	-Is the chromatogram printed using a scale that is visible?			
	-Do the standards have the proper sensitivity?			
	-Do the standard peaks have acceptable separation?			
	-No significant contamination?			
	-Do the peak responses on the quant. reports match those of the calibration summary report (hand calculate a few-especially manual integrations)?			

Gas Chromatograp Surveyor:	phy (GC) Data Auditing Chec	k Sheet				
Method:		Laboratory:		Rev. 2, 8/05		
	on levels support the laboratory's (check cal. level vs. final report of s)?					
	te number of calibration standards e calibration range and/or calibration					
3. Calibration Meth	nod Information					
	e (i.e. linear, RF, etc.):					
-Internal	Std compounds?					
-Same fo	r all compounds?					
	calibration criteria met for each d (i.e. RSDs)?					
-"force th	nru the origin"?					
compounds used	internal standards, were correct ? Were all compounds calibrated ppriate internal standard?					
-Were data point	es eliminated from the calibration?					
-If yes, w	vhy?:					
-Was this	s done appropriately?					
-Was the calibra standard?	tion validated by a secondary source					
Attach photo copy docum	mentation of any areas of concern					
Sample Information:						
-Sample date/tin	ne (from COC):					
-Were the sampl	es properly preserved?					
Sample Preparation Programme Program	rocedures:					
-Extraction meth	od:					
-Extraction date/	time:					
-Did the	sample meet the extraction hold time?					
-Is the extraction complete?	documentation correct and					

Gas Chromatography (GC) Dat Surveyor:	a Auditing Chec	k Sheet	
	aboratory:		Rev. 2, 8/05
-Was the extraction acceptable (re or hand notes)?	efer to check sheets		
Attach photo copy documentation of any	areas of concern		
Sample Analysis:			
-Sample ID:			
-Analysis date/time:			
-Was the sample hold time	e met?		
-Was the proper QC run with the	sample batch?		
-Was the QC at the proper concen	trations?		
-Was the appropriate QC criteria	net?		
-Do all low level QC checks have sensitivity?	adequate		
-Does the hard copy data correspond report?	and to the sequence		
-Are there any major breaks in the	e acquisition times?		
-Do all the samples/QC in the bate method update time?	ch have the same		
-Do all chromatograms have correinformation to the respective Quanfile names, acquisition times, method same RTs, print time)?	nt Report (i.e. same		
-Are the response factors of the sa from the calibration (calculate a fe	-		
-Are the chromatograms printed u visible?	sing a scale that is		
-Do all samples/QC in the batch h separation, with an appropriate ru			
-No significant contamination or r	matrix interference?		
-Are the peaks properly ID'd?			
-Confirmation techniques include column or by GC/MS.	analysis on a second		

	Chromatography (GC) Data Auditing Chec	k She	et	
Surve Meth				Rev. 2, 8/05
	-When confirmation is made on a second column, that analysis should meet all of the QC criteria for calibration, retention times, etc.			
	-Are all the peaks integrations appropriate and consistent?			
	-Do the analytical results on the Quant Report match those on the final report?			
	-Were the correct compounds used for internal standards and/or surrogates?			
	-Did the internal standards/surrogates meet the method or in-house QC criteria including retention times?			
Attack	photo copy documentation of any areas of concern			
Labor	ratory Review	Yes	No	Comments
	-Was the analyst(s) available for interviewing?			
	-Did the analyst(s) provide adequate response to the concerns found from the hard copy data review?			
	-Was the analyst(s) following proper procedure?-If no, see notes or check sheets.-If no, is SOP correct?-If no, is the QAP correct?			
	-Did the lab have the proper equipment and instrumentation?			
	-Did the lab have the proper reagents? Expiration dates current?			
	-Did the lab have adequate documentation such as run logs, maintenance logs, temperature logs and standard logs?			
Electronic Data Review:		Yes	No	Comments
1.	Mint Miner Review (If Applicable)			
T -	-Are any problems identified?			
<u>In-La</u>	b Review:			
2.	High and low standard			

Gas Chromatography (GC) Data Auditing Check Sheet Surveyor:				
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-Does the low standard have acceptable sensitivity				
-Do all the compound peaks have adequate separation?				
-Do all the compound peaks have appropriate and consistent integration?				
3. Initial CCV				
-Do all the peaks have adequate sensitivity?				
-Do all the peaks have adequate separation?				
-Do all the peaks have appropriate and consistent integration?				
-Can the laboratory reprint a Quant Report and chromatogram that matches the hard copy?				
-If yes, attach.				
-If no, why?				
4. Other electronic data concerns (Identified in the hard copy review):				
Attach photo copy documentation of any areas of concern				
Training: -If significant problems are noted above, do the analyst's training files show that they were properly trained?				